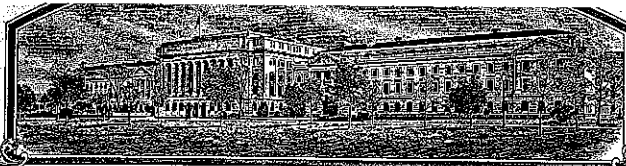


No.



9600377

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Pioneer Hi-Bred International, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

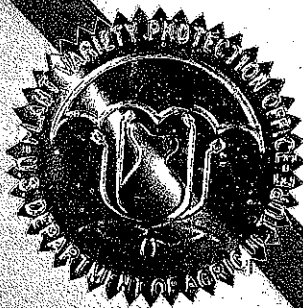
Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREBY ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'9594'



In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this second day of April, in the year two thousand two.

Attest:

Paul M. Zabel

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Arthur H. ...

Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a).

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER		3. VARIETY NAME	
Pioneer Hi-Bred International, Inc.				9594	
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)		5. TELEPHONE (include area code)		FOR OFFICIAL USE ONLY	
700 Capital Square 400 Locust Street Des Moines, Iowa 50309		515/270-3582		PVPO NUMBER 9600377	
		6. FAX (include area code)		DATE	
		515/253-2288		Aug. 30, 1996	
7. GENUS AND SPECIES NAME		8. FAMILY NAME (Botanical)		FILING AND EXAMINATION FEE:	
Glycine max L.		Luguminosae		\$2450.00	
9. CROP KIND NAME (Common name)				DATE	
Soybean				Aug. 23, 1996	
10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) (Common name)				CERTIFICATION FEE:	
Corporation				320.00	
11. IF INCORPORATED, GIVE STATE OF INCORPORATION		12. DATE OF INCORPORATION		DATE	
Iowa		May 6, 1926		11-13-01	
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS				(include area code)	
John Grace Dr. Daria Schmitt 7300 NW 62nd Ave. P.O. Box 1004 Johnston, Iowa 50131-1004				515/270-3582	
Debra Blair (Copy) 700 Capital Square 400 Locust St. Des Moines, Iowa 50309				15. FAX (include area code)	
				515/253-2288	
16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow Instructions on reverse)					
a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of the Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Applicant's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,600 viable untreated seeds or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in a public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2450), made payable to "Treasurer of the United States" (Mail to PVPO)					
17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED (See Section 83(a) of the Plant Variety Protection Act)?					
<input type="checkbox"/> YES If "yes," answer items 18 and 19 below <input checked="" type="checkbox"/> NO If "no," go to item (20)					
18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?			19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?		
<input type="checkbox"/> YES <input type="checkbox"/> NO			<input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED		
20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?					
<input checked="" type="checkbox"/> YES (If "yes," give names of countries and dates) <input type="checkbox"/> NO					
U.S. - 1996					
21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate					
The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.					
Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.					
SIGNATURE OF APPLICANT (Owner(s))			SIGNATURE OF APPLICANT (Owner(s))		
D. John Grace III					
NAME (Please print or type)			NAME (Please print or type)		
D. John Grace III					
CAPACITY OR TITLE		DATE		CAPACITY OR TITLE	
Soybean Research Coordinator		8/20/96			

Exhibit A. Origin and Breeding History of the Variety**Soybean Variety 9594**

Variety 9594 evolved from a 1989 cross of 9592/A6297.

It is an F5-derived variety which was advanced to the F5 generation by modified single seed descent. The F6 progeny row of 9594 was grown in the summer of 1992. Subsequently, 9594 has undergone three years of testing and purification and has been observed by the breeder to be uniform and stable for all plant traits from generation to generation, with no evidence of variants. (As with other soybean varieties, variants can occur for almost any character during the course of repeated sexual reproduction.) On the basis of yield performance, variety 9594 was released for sale.

The purification block was grown during the summer of 1994 and 25 sublines were bulked for increase. Ten acres of 9594 (breeders seed) were grown in the winter of 1994. 52 acres of parent seedstock (foundation seed equivalent) were grown in the summer of 1995.

Soybean Variety 9594
Pioneer Hi-Bred International Inc.
April, 1996

Exhibit B. Statement of Distinctness

Soybean Variety 9594

Variety 9594 is most similar to A5843, A5979, FFR 561 and Hornbeak 54 in that all varieties have white flowers, gray pubescence and yellow seed with buff hila.

Variety 9594 lodges significantly more than A5843, A5979 and FFR 561. (Tables 1 through 3, respectively).

Variety 9594 is significantly taller than Hornbeak 54 (Table 4).

Pioneer Hi-Bred Int'l Inc,
PVP Application - Exhibit B - Soybean Variety 9594

Table 1. T-test comparison of 9594 versus A5843 for Lodging, 1995 analysis.

YEAR	LOC	REP	9594	A5843	X1-X2	(X1-X2) ²
1995	080A	1	7	8	-1	1
	080A	2	7	8	-1	1
	081A	1	6	8	-2	4
	081A	2	5	8	-3	9
	081A	3	6	8	-2	4
	082A	1	5	7	-2	4
1995	SUM	2	6	8	-2	4
	MEAN		42	55	-13	27
	n =		6.0	7.9	-1.9 = d	

1995 ANALYSIS	
Ave 9594 =	
Ave A5843 =	
d = (Ave X1 - Ave X2)	
SE diff = SQRT of	
t = d/SE diff =	
df =	
Prob > t =	
6.00	
7.86	
-1.86	
0.068	
0.261	
-7.120	
6	
0.0004 significant at <1% level	

Method Used in Gathering Data

- Lodging measurements were taken on each plot at maturity. One (1) representative measurement was taken per plot. A score of 9 means all plants were perfectly erect. A score of 5 is equivalent to an average 45 degree lean. A score of 1 means all plants are flat on the ground.

-Plots were planted using a randomized complete block design. Plots were fifteen feet long by ten foot (four thirty inch rows) wide.

Table 2. T-test comparison of 9594 versus A5979 for Lodging, 1995 analysis.

YEAR	LOC	REP	9594	A5979	X1-X2	(X1-X2) ²
1995	080A	1	7	8	-1	1
	080A	2	7	7	0	0
	081A	1	6	8	-2	4
	081A	2	5	7	-2	4
	081A	3	6	7	-1	1
	082A	1	5	6	-1	1
1995	SUM	2	6	7	-1	1
	MEAN		42	50	-8	12
	n =		6.0	7.1	-1.1 = d	

1995 ANALYSIS	
Ave 9594 =	
Ave A5979 =	
d = (Ave X1 - Ave X2)	
SE diff = SQRT of	
t = d/SE diff =	
df =	
Prob > t =	
6.00	
7.14	
-1.14	
0.068	
0.261	
-4.382	
6	
0.0047 significant at <1% level	

Method Used in Gathering Data

- Lodging measurements were taken on each plot at maturity. One (1) representative measurement was taken per plot. A score of 9 means all plants were perfectly erect. A score of 5 is equivalent to an average 45 degree lean. A score of 1 means all plants are flat on the ground.

-Plots were planted using a randomized complete block design. Plots were fifteen feet long by ten foot (four thirty inch rows) wide.

Table 3. T-test comparison of 9594 versus FFR561 for Lodging Score, 1995 analysis.

YEAR	LOC	REP	9594	FFR561	X1-X2	(X1-X2) ²
1995	080A	1	7	8	-1	1
	080A	2	7	8	-1	1
	081A	1	6	6	0	0
	081A	2	5	7	-2	4
	081A	3	6	8	-2	4
	082A	1	5	7	-2	4
	082A	2	6	7	-1	1
1995	SUM		42	51	-9	15
	MEAN	n =	6.0	7.3	-1.3 = d	
			7 groups of individuals			
			df =			
			Prob > t =			

1995 Standard Error Calculation:	
SE diff ₉₅ =	$\sqrt{\frac{15 - (9)^2/7}{(7)(6)}}$

Method Used in Gathering Data

- Lodging measurements were taken on each plot at maturity. One (1) representative measurement was taken per plot. A score of 9 means all plants were perfectly erect. A score of 5 is equivalent to an average 45 degree lean. A score of 1 means all plants are flat on the ground.

-Plots were planted using a randomized complete block design. Plots were fifteen feet long by ten foot (four thirty inch rows) wide.

Table 4. T-test comparison of 9594 versus Hornbeck 54 for height in inches, 1995 analysis.

YEAR	LOC	REP	9594	HB54	X1-X2	(X1-X2) ²
1995	080A	1	32	26	6	36
	080A	2	34	28	6	36
	081A	1	34	25	9	81
	081A	2	32	23	9	81
	081A	3	35	24	11	121
	082A	1	33	30	3	9
	082A	2	34	26	8	64
1995	SUM		234	182	52	428
	MEAN	n =	33.4	26.0	7.4 = d	
			7 groups of individuals			
			df =			
			Prob > t =			

1995 Standard Error Calculation:	
SE diff ₉₅ =	$\sqrt{\frac{428 - ((52)^2/7)}{(7)(6)}}$

Method Used in Gathering Data

- Height measurements were taken on each plot at maturity. One (1) representative measurement was taken per plot. Height was measured from the soil surface to the terminal node.

-Plots were planted using a randomized complete block design. Plots were fifteen feet long by ten foot (four thirty inch rows) wide.

U.S. DEPARTMENT OF AGRICULTURE
 AGRICULTURAL MARKETING SERVICE
 SEED DIVISION - PLANT VARIETY PROTECTION OFFICE
 BELTSVILLE, MARYLAND 20705

EXHIBIT C
 (Soybean)

OBJECTIVE DESCRIPTION OF VARIETY

SOYBEAN (*Glycine max* L.)

NAME OF APPLICANT(S) Pioneer Hi-Bred International, Inc.	TEMPORARY DESIGNATION	VARIETY NAME 9594
ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code) 7300 N.W. 62nd Ave., P.O. Box 1004 Johnston, IA 50131-1004		FOR OFFICIAL USE ONLY
		PVPO NUMBER 9600377

Choose the appropriate response which characterizes the variety in the features described below. When the number of significant digits in your answer is fewer than the number of boxes provided, place a zero on the first box when number is 9 or less (e.g.,). Starred characters ★ are considered fundamental to an adequate soybean variety description. Other characters should be described when information is available.

1. SEED SHAPE:



L



W



T

1 = Spherical (L/W, L/T, and T/W ratios = < 1.2)

3 = Elongate (L/T ratio > 1.2; T/W = < 1.2)

2 = Spherical Flattened (L/W ratio > 1.2; L/T ratio = < 1.2)

4 = Elongate Flattened (L/T ratio > 1.2; T/W > 1.2)

★ 2. SEED COAT COLOR: (Mature Seed)

1 = Yellow

2 = Green

3 = Brown

4 = Black

5 = Other (Specify)

3. SEED COAT LUSTER: (Mature Hand Shelled Seed)

1 = Dull ('Corsoy 79'; 'Braxton')

2 = Shiny ('Nebsoy'; 'Gasoy 17')

★ 4. SEED SIZE: (Mature Seed)

Grams per 100 seeds

★ 5. HILUM COLOR: (Mature Seed)

1 = Buff 2 = Yellow 3 = Brown 4 = Gray 5 = Imperfect Black 6 = Black 7 = Other (Specify)

★ 6. COTYLEDON COLOR: (Mature Seed)

1 = Yellow

2 = Green

★ 7. SEED PROTEIN PEROXIDASE ACTIVITY:

1 = Low

2 = High

★ 8. SEED PROTEIN ELECTROPHORETIC BAND:

1 = Type A (SP1 a)

2 = Type B (SP1 b)

★ 9. HYPOCOTYL COLOR:

1 = Green only ('Evans'; 'Davis')

2 = Green with bronze band below cotyledons ('Woodworth'; 'Tracy')

3 = Light Purple below cotyledons ('Beeson'; 'Pickett 71')

4 = Dark Purple extending to unifoliate leaves ('Hodgson'; 'Coker Hampton 266A')

★ 10. LEAFLET SHAPE:

1 = Lanceolate

2 = Oval

3 = Ovate

4 = Other (Specify)

Variety Name 9594

11. LEAFLET SIZE:

☐ 2

1 = Small ('Amsoy 71'; 'A5312')

2 = Medium ('Corsoy 79'; 'Gasoy 17')

3 = Large ('Crawford'; 'Tracy')

12. LEAF COLOR:

☐ 2

1 = Light Green ('Weber'; 'York')

2 = Medium Green ('Corsoy 79'; 'Braxton')

3 = Dark Green ('Gnome'; 'Tracy')

★ 13. FLOWER COLOR:

☐ 1

1 = White

2 = Purple

3 = White with purple throat

★ 14. POD COLOR:

☐ 1

1 = Tan

2 = Brown

3 = Black

★ 15. PLANT PUBESCENCE COLOR:

☐ 1

1 = Gray

2 = Brown (Tawny)

16. PLANT TYPES:

☐ 2

1 = Slender ('Essex'; 'Amsoy 71')

2 = Intermediate ('Amcor'; 'Braxton')

3 = Bushy ('Gnome'; 'Govan')

★ 17. PLANT HABIT:

☐ 1

1 = Determinate ('Gnome'; 'Braxton')

2 = Semi-Determinate ('Will')

3 = Indeterminate ('Nebsoy'; 'Improved Pelican')

★ 18. MATURITY GROUP:

☐ 0 ☐ 8

1 = 000

2 = 00

3 = 0

4 = I

5 = II

6 = III

7 = IV

8 = V

9 = VI

10 = VII

11 = VIII

12 = IX

13 = X

★ 19. DISEASE REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

BACTERIAL DISEASES:

★ ☐ 2Bacterial Pustule (*Xanthomonas phaseoli* var. *sojensis*)★ ☐ 1Bacterial Blight (*Pseudomonas glycinea*)★ ☐ 2Wildfire (*Pseudomonas tabaci*)

FUNGAL DISEASES:

★ ☐ 1Brown Spot (*Septoria glycines*)Frogeye Leaf Spot (*Cercospora soja*)★ ☐ 0

Race 1

☐ 0

Race 2

☐ 0

Race 3

☐ 0

Race 4

☐ 0

Race 5

☐

Other (Specify)

☐ 0Target Spot (*Corynespora cassicola*)☐ 1Downy Mildew (*Peronospora trifoliorum* var. *manshurica*)☐ 1Powdery Mildew (*Microsphaera diffusa*)★ ☐ 0Brown Stem Rot (*Cephalosporium gregatum*)☐ 0Stem Canker (*Diaporthe phaseolorum* var. *caulivora*)

19. DISEASES REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant) (Continued)

FUNGAL DISEASES: (Continued)

- ★ ☐ 1 Pod and Stem Blight (*Diaporthe phaseolorum* var; *sojae*)
☐ 0 Purple Seed Stain (*Cercospora kikuchii*)
☐ 1 Rhizoctonia Root Rot (*Rhizoctonia solani*)
 Phytophthora Rot (*Phytophthora megasperma* var. *sojae*)
- ★ ☐ 0 Race 1 ☐ 0 Race 2 ☐ 1 Race 3 ☐ 0 Race 4 ☐ 0 Race 5 ☐ 0 Race 6 ☐ Race 7
☐ 0 Race 8 ☐ 0 Race 9 ☐ 0 Other (Specify)

VIRAL DISEASES:

- ☐ 1 Bud Blight (Tobacco Ringspot Virus)
☐ 1 Yellow Mosaic (Bean Yellow Mosaic Virus)
 ★ ☐ 1 Cowpea Mosaic (Cowpea Chlorotic Virus)
☐ 0 Pod Mottle (Bean Pod Mottle Virus)
 ★ ☐ 0 Seed Mottle (Soybean Mosaic Virus)

NEMATODE DISEASES:

- Soybean Cyst Nematode (*Heterodera glycines*)
 ★ ☐ 0 Race 1 ☐ 0 Race 2 ☐ 1 Race 3 ☐ 0 Race 4 ☐ Other (Specify)
☐ 0 Lance Nematode (*Hoplolaimus Colombus*)
 ★ ☐ 1 Southern Root Knot Nematode (*Meloidogyne incognita*)
 ★ ☐ 0 Northern Root Knot Nematode (*Meloidogyne Hapla*)
☐ 0 Peanut Root Knot Nematode (*Meloidogyne arenaria*)
☐ 0 Reniform Nematode (*Rotylenchulus reniformis*)
☐ OTHER DISEASE NOT ON FORM (Specify)

20. PHYSIOLOGICAL RESPONSES: (ENTER 0 = Not tested, 1 = Susceptible, 2 = Resistant)

- ★ ☐ 0 Iron Chlorosis on Calcareous Soil
☐ Other (Specify)

21. INSECT REACTION: (ENTER 0 = Not tested, 1 = Susceptible, 2 = Resistant)

- ☐ 0 Mexican Bean Beetle (*Epilachna Varivestis*)
☐ 0 Potato Leaf Hopper (*Empoasca fabae*)
☐ Other (Specify)

22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED.

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant Shape	A5979	Seed Coat Luster	A5979
Leaf Shape	A5979	Seed Size	A5979
Leaf Color	A5979	Seed shape	A5979
Leaf Size	A5979	Seedling Pigmentation	A5979

Variety Name 9594

23. GIVE DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY : Paired Comparison Data

VARIETY	NO. OF DAYS MATURITY	PLANT LODGING SCORE	CM PLANT HEIGHT	LEAFLET SIZE		SEED CONTENT		SEED SIZE G/100 SEED	NO. SEEDS POD
				CM Width	CM Length	% Protein	% Oil		
Submitted 9594	132.6	2.4	81			36.5	18.4	13.8	3
Name of Similar Variety A5979	132.7	2.2	75			36.7	19.3	15.7	3

PUBLICATIONS USEFUL AS REFERENCE AIDS FOR COMPLETING THIS FORM:

1. Caldwell, B.E., ed. 1973. Soybeans: Improvement, Production, and Uses. Amer. Soc. Agron. Monograph No. 16.
2. Buttery, B.R. and R.I. Buzzell. 1968. Peroxidase activity in seeds of soybean varieties. Crop Sci., 8: 722-725.
3. Hymowitz, T. 1973. Electrophoretic analysis of SBTI-A2 in the USDA soybean germplasm collection. Crop. Sci., 13: 420-421
4. Payne, R.C. and L.F. Morris. 1976. Differentiation of soybean cultivars by seedling pigmentation patterns. J. Seed Technol. 1:1-19

Soybean Variety 9594
 Pioneer Hi-Bred International Inc.
 April, 1996

Exhibit D. Additional Description of the Variety

Soybean Variety 9594

In Exhibit C we have identified variety 9594 as susceptible to bacterial blight, brown spot, pod and stem blight, rhizoctonia root rot, bud blight, yellow mosaic, cowpea mosaic and southern rootknot nematode.

This does not mean that variety 9594 is any worse for these problems than other varieties of similar maturity. Rather, we do not consider 9594 to be immune to these problems. Therefore, we have chosen to be conservative and have identified the line as "susceptible".

9594 is a late group V variety. If group V maturities are divided into tenths, the relative maturity of 9594 is 5.9.

Isozyme Table

ACO2	ACO3	ACO4	ACP	DIA	ENP	IDH1	IDH2	MDH	MPI	PGM1	PHI1
2	1	3	A	B	A	2	1	B	A	2	1

Soybean Variety 9594
Pioneer Hi-Bred International Inc.
April, 1996

Exhibit E. Statement of the Basis of Applicant's Ownership

Soybean Variety 9594

Variety 9594 was originated and developed by U.S. plant breeders from whom, by agreement, Pioneer Hi-Bred International, Inc. has obtained exclusive rights to variety 9594. No rights to variety 9594 are retained by the plant breeder or by any other party.